

## Acetyl coenzyme A lithium salt

Cat. No. COEC-082

Lot. No. (See product label)

### Introduction

#### Description

Acetyl coenzyme A trilithium salt is a lithium salt of an essential cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions. Acetyl coenzyme A is formed either by the oxidative decarboxylation of pyruvate in mitochondria, by the oxidation of long-chain fatty acids, or by the oxidative degradation of certain amino acids. Acetyl coenzyme A is a key precursor in lipid biosynthesis, and the source of all fatty acid carbons. Acetyl-coA is a positive regulator of pyruvate carboxylase and is a precursor of the neurotransmitter acetylcholine.

#### Applications

A cofactor and carrier of acyl groups in enzymatic acetyl transfer reactions

#### Synonyms

Acetyl-S-CoA Li3

### Product Information

#### Appearance

Powder

#### Form

Solid

#### CAS No.

32140-51-5

#### Molecular Formula

C<sub>23</sub>H<sub>35</sub>N<sub>7</sub>O<sub>17</sub>P<sub>3</sub>S•3Li

#### Molecular Weight

881

#### Purity

≥95%

#### Solubility

Soluble in water